AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A bioassay substrate having a disc-shape and containing optically interpretable recorded information, the bioassay substrate comprising a plurality of detection units equally dividing the bioassay substrate in a circumferential direction, each detection unit comprising:

a data-detecting area comprising a reaction area for performing a mutual reaction process between substances to be detected and a target substance, and a detection surface for fixing end portions of the substances to be detected, the data-detecting area having a first length in a radial direction; and ~~a spacer module on the detection surface, the spacer module being inactive with respect to the mutual reaction process; and~~

a servo area formed in the detection unit without overlapping the data-detecting area, the servo area ~~being arrayed with the data-detecting area along a circumferential direction, and~~ optically providing positional information of the data-detecting area, the servo area having a second length in the radial direction approximately equal to the first length.

2. (Previously Presented) The bioassay substrate according to claim 1, wherein the reaction area comprises a detection surface on which a surface treatment is performed so as to fix the substances to be detected.

3. (Previously Presented) The bioassay substrate according to claim 1, wherein the substances to be detected and the target substance are nucleotide chains and the mutual reaction process is hybridization.

4. (Previously Presented) The bioassay substrate according to claim 1, wherein the detection units are arrayed along the circumferential direction.

5. (Previously Presented) The bioassay substrate according to claim 1, wherein the detection units are arrayed in concentric circles or in a spiral shape when viewed from the top.

6. (Previously Presented) The bioassay substrate according to claim 1, wherein the positional information comprises a tracking mark and an address mark.

7. (Withdrawn) A device for interpreting substrate information, the device for optically interpreting information on the substrate for bioassay according to claim 1,

wherein a positioning operation of a discharging head used for pipetting a sample solution on the data-detecting area and a positioning operation of an optical head used for irradiating light and receiving the reflected light to detect the positional information and to detect information on the mutual reaction process in the reaction area are controlled according to positional information obtained from the servo area.

8. (Withdrawn) The device for interpreting substrate information according to claim 7, wherein the data-detecting area is irradiated with only excitation light for detection.

9. (Withdrawn) A method for interpreting substrate information, the method for optically interpreting information on a substrate for bioassay that has a disc-shape and can optically interpret recorded information, the substrate comprising a data-detecting area comprising at least a reaction area providing an area used for a mutual reaction process of substances to be detected and a target substance; and a servo area disposed in the area that is not overlapped with the data-detecting area and optically providing positional information on the data-detecting area,

wherein a step of positioning a discharging head used for pipetting a sample solution on the data-detecting area and a step of positioning an optical head used for irradiating light and receiving the reflected light to detect the positional information and to detect information on the mutual reaction process in the reaction area are controlled according to positional information obtained from the servo area.

10. (Withdrawn) The method for interpreting substrate information according to claim 9, wherein the data-detecting area is irradiated with only excitation light for detection.